

# MANAGEMENT INFO SYSTEMS (MIS)

*College of Business and Public Management*

## Courses

### **MIS 199. Transfer Credit Electives. 1-15 Credits.**

Transfer Credit.

Repeatable for Credit.

### **MIS 300. Introduction to Management Information Systems. 3 Credits.**

A comprehensive introduction to the role of information systems in an organizational environment. This course focuses on transforming manual and automated data into useful information for managerial decision making.

Pre / Co requisites: MIS 300 requires prerequisites of MGT 200 and minimum CUM GPA of 2.50.

Distance education offering may be available.

Typically offered in Fall & Spring.

### **MIS 301. Introduction to Business's Software. 3 Credits.**

Building on the fundamentals of management information systems covered in MIS 300, this course explores core concepts of online business processes and intelligence, including underlying principles and practical techniques enabled by information systems. Topics covered include: strategic roles of MIS, online business intelligence, online business process management, E-business, security, and many others. This course also explores how new information technology supports online business process management. New topics including the importance of big data analytics, as well as other technological advances such as 3-D printing, cloud computing, machine learning, artificial intelligence, the Internet of Things, and blockchain are also covered.

Pre / Co requisites: MIS 301 requires a prerequisite of MIS 300.

Distance education offering may be available.

Typically offered in Fall & Spring.

Repeatable for Credit.

### **MIS 302. Data Analytics. 3 Credits.**

This century may have been called "The Century of Data" because the amount of data created and collected is rapidly growing. Thus, businesses nowadays have strong needs to gather, store, and analyze these data to excel and achieve competitive advantage in their markets. Building on the fundamentals of management information systems covered in MIS 300, this course explores core concepts of data analytics and its emerging roles in organizations. Topics covered include data acquisition, data processing, data visualizations, reporting and dashboards, forecasting, and machines learning. In addition, students will experience practical applications of analytics via exercises and case studies using user-friendly technologies that are underlying collection, storage, and processing of data.

Pre / Co requisites: MIS 302 requires a prerequisite of MIS 300, MGT 341, or SCM 351.

Distance education offering may be available.

Typically offered in Fall & Spring.

### **MIS 303. Simulation. 3 Credits.**

The majority of Fortune 500 companies have been adopting an enterprise resource system (ERP) for many years. Therefore, it is important for students to understand these systems and have hands-on experience working with them. This online course is designed to assist students in learning the core concepts of ERP and information systems to support operation and management of business transactions. Students will be working on ERPsim to run business processes to compete with other companies in the market. Students will gain hands-on experience of the roles of SAP S/4HANA systems in efficiently managing business processes.

Pre / Co requisites: MIS 303 requires a prerequisite of MIS 300, MGT 341, or SCM 351.

Distance education offering may be available.

Typically offered in Fall & Spring.

### **MIS 304. Business Systems & Processes. 3 Credits.**

Businesses are adopting enterprise systems to digitalize their activities and transactions. Therefore, it becomes important for students to develop a more process-oriented perspective that replicates how the modern business environment works. This course is designed to equip for students' fundamental knowledge of a business and processes' structure with a focus on ERP (Enterprise Resource Planning) software. Topics covered include business processes, enterprise systems, process integration, and business and process configuration. Students will be working with SAP ERP to solve real-world SAP topics and cases using an integrated process perspective of the firm. Students will gain hands-on experience with the roles of SAP S/4HANA systems in efficiently managing business processes.

Pre / Co requisites: MIS 304 requires a prerequisite of MIS 302 or MIS 303.

Distance education offering may be available.

Typically offered in Fall & Spring.

### **MIS 453. Decision Support Systems. 3 Credits.**

This course is an advanced presentation of the role of management information systems in the special support needs of managers for aiding decision making.

Pre / Co requisites: MIS 453 requires a prerequisite of MIS 300.

Typically offered in Fall & Spring.